AMENDMENTS TO THE CLAIMS

This listing of claims replaces all previous versions and listings of claims in this application.

Claim Listing:

1. (Currently amended) A track locking method for an optical disk drive, <u>the</u> <u>method</u> comprising the steps of:

generating a tracking servo output signal <u>from a track error signal</u> for driving an optical pick-up head to arrive at a target track;

determining an instantaneous level of the tracking servo output signal at the moment that the optical pick-up head was shifting to an adjoining off-track interval from an on-track interval of the target track; and

holding the tracking servo output signal at the instantaneous level <u>till-until</u> the optical pick-up head moves to the on-track interval of the target track.

2. (Original) The track locking method for an optical disk drive of Claim 1, further comprising the steps of:

temporarily switching the optical pick-up head to an adjoining on-track interval after the optical pick-up head goes through half an off-track interval adjoining to the on-track interval of the target track; and

switching the optical pick-up head back to the target track by means of a short-seeking motion.

3. (Currently amended) A track locking method for an optical disk drive, <u>the</u> <u>method</u> comprising the steps of:

generating a tracking servo output signal <u>from a track error signal</u> for driving an optical pick-up head to arrive at a target track;

determining an instantaneous level of the tracking servo output signal at the moment that the optical pick-up head was shifting to an adjoining off-track interval from an on-track interval of the target track; and

intermittently holding the tracking servo output signal at the instantaneous level by using a pulse width modulation method till modulated signal until the optical pick-up head moves to the on-track interval of the target track.

4. (Original) The track locking method for an optical disk drive of Claim 3, further comprising the step of:

temporarily switching the optical pick-up head to an adjoining on-track interval after the optical pick-up head goes through half an off-track interval adjoining to the on-track interval of the target track; and

switching the optical pick-up head back to the target track by means of a short-seeking motion.

5. (Currently amended) A track locking apparatus for an optical disk drive, comprising:

a controller for generating that generates a tracking servo output (TRO) signal in response to a track error (TE) signal;

a signal-holding unit capable of determining and holding a that determines and holds a voltage level (V_{HOLD}) of the tracking servo output signal <u>during an on-track interval of a target track</u>; and

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a switch for switching-configured to connect the tracking servo output signal to the signal-holding unit after in response to arrival of an optical pick-up head of the optical disk drive arrives at an adjoining off-track interval from an-the on-track interval of a target track.

- 6. (Currently amended) The track locking apparatus for an optical disk drive of Claim 5, wherein the signal-holding unit further includes further comprising a pulse width modulation circuit-for-outputting an intermittent signal operatively connected to the signal holding unit.
- 7. (Original) The track locking apparatus for an optical disk drive of Claim 5, wherein the signal-holding unit is embedded in the controller.
- 8. (Currently amended) The track locking apparatus for an optical disk drive of Claim 5, wherein the switch directly passes a driver connects the tracking servo output signal to a driver when the optical pick-up head dwells in the on-track interval of the target track.
- 9. (Original) The track locking apparatus for an optical disk drive of Claim 5, wherein the switch is controlled by the controller.
- 10. (Original) The track locking apparatus for an optical disk drive of Claim 5, wherein the switch is embedded in the controller.
- 11. (New) The apparatus of claim 6, wherein the pulse width modulation circuit outputs the tracking servo output signal as a signal that periodically varies between a reference voltage and the voltage level V_{HOLD} .